



FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700.0030003/JAG/BJD/SJEAPPLICATION NO.  
10/733,582

FIRST NAMED INVENTOR

Renner *et al.*FILING DATE  
December 12, 2003ART UNIT  
1614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
MM	AA1	5,071,651	12/10/1991	Sabara <i>et al.</i>	424	89	03/05/1990
	AB1	5,334,394	08/02/1994	Kossovsky <i>et al.</i>	424	494	01/04/1993
	AC1	5,374,426	12/20/1994	Sabara <i>et al.</i>	530	403	10/30/1989
	AD1	5,739,026	04/14/1998	Garoff <i>et al.</i>	435	240.2	08/13/1992
	AE1	5,770,380	06/23/1998	Hamilton <i>et al.</i>	435	7.1	09/13/1996
	AF1	5,766,602	06/16/1998	Xiong <i>et al.</i>	424	218.1	01/19/1995
	AG1	5,792,462	08/11/1998	Johnston <i>et al.</i>	424	199.1	05/23/1995
	AH1	5,814,482	09/29/1998	Dubensky, Jr. <i>et al.</i>	435	69.3	10/30/1996
	AI1	5,871,747	02/16/1999	Gengoux-Sedlik <i>et al.</i>	424	208.1	04/28/1995
	AJ1	5,789,245	08/04/1998	Dubensky, Jr. <i>et al.</i>	435	320.1	10/30/1996
	AK1	6,004,763	12/21/1999	Gengoux <i>et al.</i>	435	7.24	05/12/1998

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
MM	AL1	EP 0 259 149 A2	03/09/1988	Europe			Yes No
	AM1	EP 0 425 082 A1	05/02/1991	Europe			Yes No
	AN1	WO 92/11291 A1	07/09/1992	WIPO			Yes No
	AO1	WO 94/06472 A1	03/31/1994	WIPO			X Yes No
	AP1	WO 94/15585 A1	07/21/1994	WIPO			Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM	AR	1	Baba, T. W., <i>et al.</i> , "Pathogenicity of Live, Attenuated SIV After Mucosal Infection of Neonatal Macaques," <i>Science</i> 267:1820-1825 (1995), American Association for the Advancement of Science
	AS	1	Bachmann, M. F., <i>et al.</i> , "Dendritic cells process exogenous viral proteins and virus-like particles for class I presentation to CD8+ cytotoxic T lymphocytes," <i>Eur. J. Immunol.</i> 26:2595-2600 (1996), VCH Verlagsgesellschaft mbH
	AT	1	Bachmann, M. F. and Zinkernagel, R. M., "The influence of virus structure on antibody responses and virus serotype formation," <i>Immunol. Today</i> 17:553-558 (1996), Elsevier Science Ltd.

EXAMINER /Mary Mosher/

DATE CONSIDERED 08/14/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700.0030003/JAG/BJD/SJEAPPLICATION NO.  
10/733,582

FIRST NAMED INVENTOR

Renner *et al.*FILING DATE  
December 12, 2003ART UNIT  
1614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
MM	AA2	4,722,840	02/02/1988	Valenzuela <i>et al.</i>	424	88	09/19/1985
↓	AB2	5,698,424	12/16/1997	Mastico <i>et al.</i>	435	172.3	01/03/1995
↓	AC2	5,143,726	09/01/1992	Thornton <i>et al.</i>	424	88	11/20/1989
	AD2						
	AE2						
	AF2						
	AG2						
	AH2						
	AI2						
	AJ2						
	AK2						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
MM	AL2	WO 96/05293 A1	02/22/1996	WIPO			Yes
↓	AM2	WO 96/30523 A2	10/03/1996	WIPO			No
↓	AN2	WO 98/15631 A1	04/16/1998	WIPO			Yes
↓	AO2	WO 99/40934 A1	08/19/1999	WIPO			No
↓	AP2	EP 0 465 081 B1	01/08/1992	Europe			Yes
							No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM	AR	2	Bachmann, M. F. and Zinkernagel, R. M., "Neutralizing Antiviral B Cell Responses," <i>Annu. Rev. Immunol.</i> 15:235-270 (April 1997), Annual Reviews Inc.
↓	AS	2	Borisova, G., <i>et al.</i> , "Hybrid Hepatitis B Virus Nucleocapsid Bearing an Immunodominant Region from Hepatitis B Virus Surface Antigen," <i>J. Virol.</i> 67:3696-3701 (1993), American Society for Microbiology
↓	AT	2	Cesareni, G., "Peptide display on filamentous phage capsids," <i>FEBS Lett.</i> 307:66-70 (1992), Elsevier Science Publishers B.V.

EXAMINER

/Mary Mosher/

DATE CONSIDERED

08/14/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700.0030003/JAG/BJD/SJEAPPLICATION NO.  
10/733,582

FIRST NAMED INVENTOR

Renner *et al.*FILING DATE  
December 12, 2003ART UNIT  
1614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA3						
	AB3						
	AC3						
	AD3						
	AE3						
	AF3						
	AG3						
	AH3						
	AI3						
	AJ3						
	AK3						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
MM	AL3	WO 97/31948 A1	09/04/1997	WIPO			Yes No
	AM3	WO 99/07839 A2	02/18/1999	WIPO			Yes No
	AN3	WO 99/67293 A1	12/29/1999	WIPO			Yes No
X	AO3	EP 0 385 610 A1	09/05/1990	Europe			Yes No
↓	AP3						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM	AR	3	Clark, H. F., <i>et al.</i> , "Comparative Characterization of a C-Type Virus-Producing Cell Line (VSW) and a Virus-Free Cell Line (VH2) from <i>Vipera russelli</i> ," <i>J. Natl. Cancer Inst.</i> 51:645-657 (1973), Oxford University Press
	AS	3	Connor, R. I., <i>et al.</i> , "Immunological and Virological Analyses of Persons Infected by Human Immunodeficiency Virus Type 1 while Participating in Trials of Recombinant gp120 Subunit Vaccines," <i>J. Virol.</i> 72:1552-1576 (February 1998), American Society for Microbiology
↓	AT	3	Cramer, R. and Suter, M., "Display of biologically active proteins on the surface of filamentous phages: a cDNA cloning system for selection of functional gene products linked to the genetic information responsible for their production," <i>Gene</i> 137:69-75 (1993), Elsevier Science Publishers B.V.

EXAMINER

/Mary Mosher/

DATE CONSIDERED 08/14/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

X Only FOR received

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
1700.0030003/JAG/BJD/SJEAPPLICATION NO.  
10/733,582FIRST NAMED INVENTOR  
Renner *et al.*FILING DATE  
December 12, 2003ART UNIT  
1614**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA4						
	AB4						
	AC4						
	AD4						
	AE4						
	AF4						
	AG4						
	AH4						
	AI4						
	AJ4						
	AK4						

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL4						Yes
							No
	AM4						Yes
							No
	AN4						Yes
							No
	AO4						Yes
							No
	AP4						Yes
							No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

MM	AR	<u>4</u>	Daniel, M. D., <i>et al.</i> , "Protective Effects of a Live Attenuated SIV Vaccine with a Deletion in the <i>nef</i> Gene," <i>Science</i> 258:1938-1941 (1992), American Association for the Advancement of Science
	AS	<u>4</u>	Davis, N. L., <i>et al.</i> , "In Vitro Synthesis of Infectious Venezuelan Equine Encephalitis Virus RNA from a cDNA Clone: Analysis of a Viable Deletion Mutant," <i>Virology</i> 171:189-204 (1989), Academic Press Inc.
	AT	<u>4</u>	de la Cruz, V. F., <i>et al.</i> , "Immunogenicity and Epitope Mapping of Foreign Sequences via Genetically Engineered Filamentous Phage," <i>J. Biol. Chem.</i> 263:4318-4322 (1988), The American Society for Biochemistry and Molecular Biology Inc.

EXAMINER /Mary Mosher/

DATE CONSIDERED 08/14/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700.0030003/JAG/BJD/SJEAPPLICATION NO.  
10/733,582FIRST NAMED INVENTOR  
Renner *et al.*FILING DATE  
December 12, 2003ART UNIT  
1614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA5						
	AB5						
	AC5						
	AD5						
	AE5						
	AF5						
	AG5						
	AH5						
	AI5						
	AJ5						
	AK5						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL5						Yes No
	AM5						Yes No
	AN5						Yes No
	AO5						Yes No
	AP5						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM ↓	AR	5	Donnelly, J. J., <i>et al.</i> , "DNA Vaccines," <i>Annu. Rev. Immunol.</i> 15:617-648 (April 1997), Annual Reviews Inc.
	AS	5	Fehr, T., <i>et al.</i> , "Role of Repetitive Antigen Patterns for Induction of Antibodies Against Antibodies," <i>J. Exp. Med.</i> 185:1785-1792 (May 1997), The Rockefeller University Press
	AT	5	Förster, E., <i>et al.</i> , "Natural and recombinant enzymatically active or inactive bee venom phospholipase A <sub>2</sub> has the same potency to release histamine from basophils in patients with Hymenoptera allergy," <i>J. Allergy Clin. Immunol.</i> 95:1229-1235 (1995), Mosby-Year Book, Inc.

EXAMINER /Mary Mosher/

DATE CONSIDERED 08/14/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700.0030003/JAG/BJD/SJEAPPLICATION NO.  
10/733,582FIRST NAMED INVENTOR  
Renner *et al.*FILING DATE  
December 12, 2003ART UNIT  
1614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA6						
	AB6						
	AC6						
	AD6						
	AE6						
	AF6						
	AG6						
	AH6						
	AI6						
	AJ6						
	AK6						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL6						Yes No
	AM6						Yes No
	AN6						Yes No
	AO6						Yes No
	AP6						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM ↓ V	AR	6	Fujiwara, K., <i>et al.</i> , "Novel Preparation Method of Immunogen for Hydrophobic Hapten, Enzyme Immunoassay for Daunomycin and Adriamycin," <i>J. Immunol. Meth.</i> 45:195-203 (1981), Elsevier/North Holland Biomedical Press
	AS	6	Gilbert, S. C., <i>et al.</i> , "A protein particle vaccine containing multiple malaria epitomes," <i>Nature Biotechnol.</i> 15:1280-1284 (November 1997), Nature Publishing Group
	AT	6	Greenstone, H. L., <i>et al.</i> , "Chimeric papillomavirus virus-like particles elicit antitumor immunity against the E7 oncoprotein in an HPV16 tumor model," <i>Proc. Natl. Acad. Sci. USA</i> 95:1800-1805 (February 1998), The National Academy of Sciences

EXAMINER /Mary Mosher/

DATE CONSIDERED 08/14/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700.0030003/JAG/BJD/SJEAPPLICATION NO.  
10/733,582FIRST NAMED INVENTOR  
Renner *et al.*FILING DATE  
December 12, 2003ART UNIT  
1614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA7						
	AB7						
	AC7						
	AD7						
	AE7						
	AF7						
	AG7						
	AH7						
	AI7						
	AJ7						
	AK7						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL7						Yes No
	AM7						Yes No
	AN7						Yes No
	AO7						Yes No
	AP7						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM	AR	2	Hahn, C. S., <i>et al.</i> , "Infectious Sindbis virus transient expression vectors for studying antigen processing and presentation," <i>Proc. Natl. Acad. Sci. USA</i> 89:2679-2683 (1992), National Academy Press
	AS	2	Harding, C. V. and Song, R., "Phagocytic Processing of Exogenous Particulate Antigens by Macrophages for Presentation by Class I MHC Molecules," <i>J. Immunol.</i> 153:4925-4933 (1994), The American Association of Immunologists
	AT	2	Hilleman, M. R., "Six decades of vaccine development—a personal history," <i>Nature Med. Vaccine Suppl.</i> 4:507-514 (May 1998), Nature Publishing Group

EXAMINER

/Mary Mosher/

DATE CONSIDERED

08/14/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
1700.0030003/JAG/BJD/SJEAPPLICATION NO.  
10/733,582FIRST NAMED INVENTOR  
Renner *et al.*FILING DATE  
December 12, 2003ART UNIT  
1614**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA8						
	AB8						
	AC						
	AD8						
	AE8						
	AF8						
	AG8						
	AH8						
	AI8						
	AJ8						
	AK8						

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL8						Yes No
	AM8						Yes No
	AN8						Yes No
	AO8						Yes No
	AP8						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

MM ↓ V	AR	8	Iannolo, G., <i>et al.</i> , "Construction, Exploitation and Evolution of a New Peptide Library Displayed at High Density by Fusion to the Major Coat Protein of Filamentous Phage," <i>Biol. Chem.</i> 378:517-521 (June 1997), Walter de Gruyter & Company
	AS	8	Iannolo, G., <i>et al.</i> , "Modifying Filamentous Phage Capsid: Limits in the Size of the Major Capsid Protein," <i>J. Mol. Biol.</i> 248:835-844 (1995), Academic Press Limited
	AT	8	Jiang, X., <i>et al.</i> , "Norwalk Virus Genome Cloning and Characterization," <i>Science</i> 250:1580-1583 (1990), American Association for the Advancement of Science

EXAMINER  
/Mary Mosher/

DATE CONSIDERED 08/14/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700.0030003/JAG/BJD/SJEAPPLICATION NO.  
10/733,582FIRST NAMED INVENTOR  
Renner *et al.*FILING DATE  
December 12, 2003ART UNIT  
1614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA9						
	AB9						
	AC9						
	AD9						
	AE9						
	AF9						
	AG9						
	AH9						
	AI9						
	AJ9						
	AK9						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL9						Yes No
	AM9						Yes No
	AN9						Yes No
	AO9						Yes No
	AP9						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM ↓ V	AR	2	Kovacsovics-Bankowski, M., <i>et al.</i> , "Efficient major histocompatibility complex class I presentation of exogenous antigen upon phagocytosis by macrophage," <i>Proc. Natl. Acad. Sci. USA</i> 90:4942-4946 (1993), National Academy Press
	AS	2	Kratz, P. A., <i>et al.</i> , "Native display of complete foreign protein domains on the surface of hepatitis B virus capsids," <i>Proc. Natl. Acad. Sci. USA</i> 96:1915-1920 (March 1999), National Academy Press
	AT	2	Landschulz, W. H., <i>et al.</i> , "The Leucine Zipper: A Hypothetical Structure Common to a New Class of DNA Binding Proteins," <i>Science</i> 240:1759-1764 (1988), American Association for the Advancement of Science

EXAMINER /Mary Mosher/

DATE CONSIDERED 08/14/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA10						
	AB10						
	AC10						
	AD10						
	AE10						
	AF10						
	AG10						
	AH10						
	AI10						
	AJ10						
	AK10						

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL10						Yes No
	AM10						Yes No
	AN10						Yes No
	AO10						Yes No
	AP10						Yes No

MM	AR	<u>10</u>	Leake, C. J., <i>et al.</i> , "Cytopathic Effect and Plaque Formation by Arboviruses in a Continuous Cell Line (XTC-2) from the Toad <i>Xenopus laevis</i> ," <i>J. Gen. Virol.</i> 35:335-339 (1977), Society for General Microbiology
	AS	<u>10</u>	Lee, K. H., <i>et al.</i> , "Two-Dimensional Electrophoresis of Proteins as a Tool in the Metabolic Engineering of Cell Cycle Regulation," <i>Biotech. and Bioeng.</i> 50:336-340 (1996), John Wiley & Sons, Inc.
↓	AT	<u>10</u>	Liljeström, P. and Garoff, H., "A New Generation of Animal Cell Expression Vectors Based on the Semliki Forest Virus Replicon," <i>BioTechnology</i> 9:1356-1361 (1991), Nature Publishing Group

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700.0030003/JAG/BJD/SJEAPPLICATION NO.  
10/733,582FIRST NAMED INVENTOR  
Renner *et al.*FILING DATE  
December 12, 2003ART UNIT  
1614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA11						
	AB11						
	AC11						
	AD11						
	AE11						
	AF11						
	AG11						
	AH11						
	AI11						
	AJ11						
	AK11						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL11						Yes No
	AM11						Yes No
	AN11						Yes No
	AO11						Yes No
	AP11						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM ↓ V	AR	11	Liljeström, P., "Alphavirus expression systems," <i>Curr. Opin. Biotech.</i> 5:495-500 (1994), Current Biology Ltd
	AS	11	Lo-Man, R., <i>et al.</i> , "A recombinant virus-like particle system derived from parvovirus as an efficient antigen carrier to elicit a polarized Th1 immune response without adjuvant," <i>Eur. J. Immunol.</i> 28:1401-1407 (April 1998), WILEY-VCH Verlag GmbH
	AT	11	López, O., <i>et al.</i> , "Direct formation of mixed micelles in the solubilization of phospholipid liposomes by Triton X-100," <i>FEBS Lett.</i> 426:314-318 (April 1998), Elsevier Science B.V. for Federation of European Biochemical Societies.

EXAMINER /Mary Mosher/

DATE CONSIDERED 08/14/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
1700.0030003/JAG/BJD/SJEAPPLICATION NO.  
10/733,582FIRST NAMED INVENTOR  
Renner *et al.*FILING DATE  
December 12, 2003ART UNIT  
1614**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA12						
	AB12						
	AC12						
	AD12						
	AE12						
	AF12						
	AG12						
	AH12						
	AI12						
	AJ12						
	AK12						

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL12						Yes No
	AM12						Yes No
	AN12						Yes No
	AO12						Yes No
	AP12						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

MM ↓	AR	<u>12</u>	Lundstrom, K., "Alphaviruses as expression vectors," <i>Curr. Opin. Biotech.</i> 8:578-582 (October 1997), Current Biology Ltd
	AS	<u>12</u>	Matsui, S. M., <i>et al.</i> , "The Isolation and Characterization of a Norwalk Virus-specific cDNA," <i>J. Clin. Invest.</i> 87:1456-1461 (1991), American Society for Clinical Investigation Inc.
	AT	<u>12</u>	Minenkova, O. O., <i>et al.</i> , "Design of specific immunogens using filamentous phage as the carrier," <i>Gene</i> 128:85-88 (1993), Elsevier Science Publishers B.V.

EXAMINER

/Mary Mosher/

DATE CONSIDERED

08/14/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700.0030003/JAG/BJD/SJEAPPLICATION NO.  
10/733,582FIRST NAMED INVENTOR  
Renner *et al.*FILING DATE  
December 12, 2003ART UNIT  
1614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA13						
	AB13						
	AC13						
	AD13						
	AE13						
	AF13						
	AG13						
	AH13						
	AI13						
	AJ13						
	AK13						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL13						Yes No
	AM13						Yes No
	AN13						Yes No
	AO13						Yes No
	AP13						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM	AR	13	Morein, B., <i>et al.</i> , "Iscom, a novel structure for antigenic presentation of membrane proteins from enveloped viruses," <i>Nature</i> 308:457-460 (1984), Nature Publishing Group
↓	AS	13	Neurath, A. R., <i>et al.</i> , "Hepatitis B Virus Surface Antigen (HBsAg) As Carrier for Synthetic Peptides Having An Attached Hydrophobic Tail," <i>Mol. Immunol.</i> 26:53-62 (1989), Pergamon Press
↓	AT	13	O'Shea, E. K., <i>et al.</i> , "Mechanism of Specificity in the Fos-Jun Oncoprotein Heterodimer," <i>Cell</i> 68:699-708 (1992), Cell Press

EXAMINER

/Mary Mosher/

DATE CONSIDERED

08/14/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700.0030003/JAG/BJD/SJEAPPLICATION NO.  
10/733,582FIRST NAMED INVENTOR  
Renner *et al.*FILING DATE  
December 12, 2003ART UNIT  
1614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA14						
	AB14						
	AC14						
	AD14						
	AE14						
	AF14						
	AG14						
	AH14						
	AI14						
	AJ14						
	AK14						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL14						Yes No
	AM14						Yes No
	AN14						Yes No
	AO14						Yes No
	AP14						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM	AR	14	Perham, R. N., <i>et al.</i> , "Engineering a peptide epitope display system on filamentous bacteriophage," <i>FEMS Microbiol. Rev.</i> 17:25-31 (1995), Elsevier Science Publishers on behalf of the Federation of European Microbiological Societies
	AS	14	Petrenko, V. A., <i>et al.</i> , "A library of organic landscapes on filamentous phage," <i>Protein Eng.</i> 9:797-801 (1996), Oxford University Press
	AT	14	Pumpens, P. and Grens, E., "Hepatitis B core particles as a universal display model: a structure-function basis for development," <i>FEBS Lett.</i> 442:1-6 (January 1999), Elsevier Science B.V., for Federation of European Biochemical Societies.

EXAMINER /Mary Mosher/

DATE CONSIDERED 08/14/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700.0030003/JAG/BJD/SJEAPPLICATION NO.  
10/733,582FIRST NAMED INVENTOR  
Renner *et al.*FILING DATE  
December 12, 2003ART UNIT  
1614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA15						
	AB15						
	AC15						
	AD15						
	AE15						
	AF15						
	AG15						
	AH15						
	AI15						
	AJ15						
	AK15						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL15						Yes No
	AM15						Yes No
	AN15						Yes No
	AO15						Yes No
	AP15						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM ↓	AR	<u>15</u>	Raychaudhuri, S. and Rock, K. L., "Fully mobilizing host defense: Building better vaccines," <i>Nature Biotechnol.</i> 16:1025-1031 (November 1998), Nature America Inc.
	AS	<u>15</u>	Redfield, R. R., <i>et al.</i> , "Disseminated Vaccinia in a Military Recruit with Human Immunodeficiency Virus (HIV) Disease," <i>N. Eng. J. Med.</i> 316:673-676 (1987), Massachusetts Medical Society.
	AT	<u>15</u>	Renner, W. A., <i>et al.</i> , "Recombinant Cyclin E Expression Activates Proliferation and Obviates Surface Attachment of Chinese Hamster Ovary (CHO) Cells in Protein-Free Medium," <i>Biotech. Bioeng.</i> 47:476-482 (1995), John Wiley & Sons Inc.

EXAMINER

/Mary Mosher/

DATE CONSIDERED

08/14/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700.0030003/JAG/BJD/SJEAPPLICATION NO.  
10/733,582FIRST NAMED INVENTOR  
Renner *et al.*FILING DATE  
December 12, 2003ART UNIT  
1614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA16					
	AB16					
	AC16					
	AD16					
	AE16					
	AF16					
	AG16					
	AH16					
	AI16					
	AJ16					
	AK16					

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL16					Yes No
	AM16					Yes No
	AN16					Yes No
	AO16					Yes No
	AP16					Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM ↓ V	AR	<u>16</u>	Romagnani, S., "The Th1/Th2 paradigm," <i>Immunol. Today</i> 18:263-266 (June 1997), Elsevier-Science Ltd
	AS	<u>16</u>	Schlesinger, S., Alphaviruses - vectors for the expression of heterologous genes," <i>TIBTECH</i> 11:18-22 (1993), Elsevier Science Publishers Ltd. (UK).
	AT	<u>16</u>	Sedlik, C., <i>et al.</i> , "Recombinant parvovirus-like particles as an antigen carrier: A novel nonreplicative exogenous antigen to elicit protective antiviral cytotoxic T cells," <i>Proc. Natl. Acad. Sci. USA</i> 94:7503-7508 (July 1997), National Academy of Sciences

EXAMINER

/Mary Mosher/

DATE CONSIDERED

08/14/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700.0030003/JAG/BJD/SJEAPPLICATION NO.  
10/733,582FIRST NAMED INVENTOR  
Renner *et al.*FILING DATE  
December 12, 2003ART UNIT  
1614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA17						
	AB17						
	AC17						
	AD17						
	AE17						
	AF17						
	AG17						
	AH1						
	AI17						
	AJ17						
	AK17						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL17						Yes No
	AM17						Yes No
	AN17						Yes No
	AO17						Yes No
	AP17						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM ↓	AR	<u>17</u>	Shen, L., <i>et al.</i> , "Recombinant Virus Vaccine-Induced SIV-Specific CD8+ Cytotoxic T Lymphocytes," <i>Science</i> 252:440-443 (1991), American Association for the Advancement of Science
	AS	<u>17</u>	Stollar, V., "Togaviruses in Cultured Arthropod Cells," in <i>The Togaviruses: Biology, Structure, Replication</i> , Schlesinger, R. W. (ed.), Academic Press, New York, NY, pp. 612-615 (1980)
	AT	<u>17</u>	Strauss, J. H. and Strauss, E. G., "The Alphaviruses: Gene Expression, Replication, and Evolution," <i>Microbiol. Rev.</i> 58:491-562 (1994), American Society for Microbiology

EXAMINER

/Mary Mosher/

DATE CONSIDERED 08/14/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700.0030003/JAG/BJD/SJEAPPLICATION NO.  
10/733,582FIRST NAMED INVENTOR  
Renner *et al.*FILING DATE  
December 12, 2003ART UNIT  
1614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA18					
	AB18					
	AC18					
	AD18					
	AE18					
	AF18					
	AG18					
	AH18					
	AI18					
	AJ18					
	AK18					

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL18					Yes No
	AM18					Yes No
	AN18					Yes No
	AO18					Yes No
	AP18					Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM ↓ V	AR	<u>18</u>	Tanimori, H., <i>et al.</i> , "Enzyme Immunoassay of Neocarzinostatin Using 3-Galactosidase as Label," <i>J. Pharm. Dyn.</i> 4:812-819 (1981), Blackwell Publishing, Inc.
	AS	<u>18</u>	Topchieva, I. and Karezin, K., "Self-Assembled Supramolecular Micellar Structures Based on Non-ionic Surfactants and Cyclodextrins," <i>J. Colloid Interface Sci.</i> 213:29-35 (May 1999), Academic Press
	AT	<u>18</u>	Townsend, A. and Bodmer, H., "Antigen Recognition by Class I-Restricted T Lymphocytes," <i>Ann. Rev. Immunol.</i> 7:601-624 (1989), Annual Reviews Inc.

EXAMINER

/Mary Mosher/

DATE CONSIDERED 08/14/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

**INFORMATION DISCLOSURE STATEMENT**ATTY. DOCKET NO.  
1700.0030003/JAG/BJD/SJEAPPLICATION NO.  
10/733,582FIRST NAMED INVENTOR  
Renner *et al.*FILING DATE  
December 12, 2003ART UNIT  
1614**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA19						
	AB19						
	AC19						
	AD19						
	AE19						
	AF19						
	AG19						
	AH19						
	AI19						
	AJ19						
	AK19						

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL19						Yes No
	AM19						Yes No
	AN19						Yes No
	AO19						Yes No
	AP19						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

MM ↓ V	AR	<u>19</u>	Twomey, T., <i>et al.</i> , "Structure and immunogenicity of experimental foot-and-mouth disease and poliomyelitis vaccines," <i>Vaccine</i> 13:1603-1610 (1995), Elsevier Science Ltd.
	AS	<u>19</u>	Ulrich, R., <i>et al.</i> , "Core Particles of Hepatitis B Virus as Carrier for Foreign Epitopes," <i>Adv. in Virus Res.</i> 50:141-182 (January 1998), Academic Press
	AT	<u>19</u>	VanCott, T. C., <i>et al.</i> , "Antibodies with Specificity to Native gp120 and Neutralization Activity against Primary Human Immunodeficiency Virus Type 1 Isolates Elicited by Immunization with Oligomeric gp160," <i>J. Virol.</i> 71:4319-4330 (June 1997), American Society for Microbiology

EXAMINER <b>/Mary Mosher/</b>	DATE CONSIDERED <b>08/14/2006</b>
----------------------------------	--------------------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700.0030003/JAG/BJD/SJEAPPLICATION NO.  
10/733,582FIRST NAMED INVENTOR  
Renner *et al.*FILING DATE  
December 12, 2003ART UNIT  
1614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA20						
	AB20						
	AC20						
	AD20						
	AE20						
	AF20						
	AG20						
	AH20						
	AI20						
	AJ20						
	AK20						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL20						Yes No
	AM20						Yes No
	AN20						Yes No
	AO20						Yes No
	AP20						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM ↓ V	AR	<u>20</u>	Warnes, A., <i>et al.</i> , "Expression of the measles virus nucleoprotein gene in <i>Escherichia coli</i> and assembly of nucleocapsid-like structures," <i>Gene</i> 160:173-178 (1995), Elsevier Science B.V.
	AS	<u>20</u>	Watson, E., <i>et al.</i> , "Structure determination of the intact major sialylated oligosaccharide chains of recombinant human erythropoietin expressed in Chinese hamster ovary cells," <i>Glycobiology</i> 4:227-237 (1994), Oxford University Press
	AT	<u>20</u>	Xiong, C., <i>et al.</i> , "Sindbis Virus: An Efficient, Broad Host Range Vector for Gene Expression in Animal Cells," <i>Science</i> 243:1188-1191 (1989), The American Association for the Advancement of Science

EXAMINER

/Mary Mosher/

DATE CONSIDERED 08/14/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700.0030003/JAG/BJD/SJEAPPLICATION NO.  
10/733,582FIRST NAMED INVENTOR  
Renner *et al.*FILING DATE  
December 12, 2003ART UNIT  
1614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA21						
	AB21						
	AC21						
	AD21						
	AE21						
	AF21						
	AG21						
	AH21						
	AI21						
	AJ21						
	AK21						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL21						Yes No
	AM21						Yes No
	AN21						Yes No
	AO21						Yes No
	AP21						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM ↓ V	AR	<u>21</u>	Zang, M., <i>et al.</i> , "Production of Recombinant Proteins in Chinese Hamster Ovary Cells Using a Protein-Free Cell Culture Medium," <i>Bio/technology</i> 13:389-392 (1995), Nature Publishing Company
	AS	<u>21</u>	Invitrogen Manual, "Sindbis Expression System Version E," Catalog No. K750-01, Life Technologies (April 2002)
	AT	<u>21</u>	Boorsma, M., <i>et al.</i> , "A temperature-regulated replicon-based DNA expression system," <i>Nature Biotechnol.</i> 18:429-432 (April 2000), Nature America Inc.

EXAMINER

/Mary Mosher/

DATE CONSIDERED

08/14/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700.0030003/JAG/BJD/SJEAPPLICATION NO.  
10/733,582FIRST NAMED INVENTOR  
Renner *et al.*FILING DATE  
December 12, 2003ART UNIT  
1614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA22						
	AB22						
	AC22						
	AD22						
	AE22						
	AF22						
	AG22						
	AH22						
	AI22						
	AJ22						
	AK22						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL22						Yes No
	AM22						Yes No
	AN22						Yes No
	AO22						Yes No
	AP22						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM ↓	AR	<u>22</u>	Esposito, G., <i>et al.</i> , "Conformational study of a short <i>Pertussis</i> toxin T cell epitope incorporated in a multiple antigen peptide template by CD and two-dimensional NMR. Analysis of the structural effects on the activity of synthetic immunogens," <i>Eur. J. Biochem.</i> 217:171-187 (1993), Blackwell Science Ltd on behalf of the Federation of European Biochemical Societies
	AS	<u>22</u>	Frolov, I., <i>et al.</i> , "Alphavirus-based expression vectors: Strategies and applications," <i>Proc. Natl. Acad. Sci. USA</i> 93:11371-11377 (1996), National Academy Press
	AT	<u>22</u>	Ebina, S., <i>et al.</i> , "Chemical Modification of Bovine Pancreatic Trypsin Inhibitor for Single Site Coupling of Immunogenic Peptides for NMR Conformational Analysis," <i>J. Biol. Chem.</i> 264:7882-7888, American Society for Biochemistry and Molecular Biology, Inc. (1989).

EXAMINER

/Mary Mosher/

DATE CONSIDERED

08/14/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

**INFORMATION DISCLOSURE STATEMENT**ATTY. DOCKET NO.  
1700.0030003/JAG/BJD/SJEAPPLICATION NO.  
10/733,582FIRST NAMED INVENTOR  
Renner *et al.*FILING DATE  
December 12, 2003ART UNIT  
1614**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA23						
	AB23						
	AC23						
	AD23						
	AE23						
	AF23						
	AG23						
	AH23						
	AI23						
	AJ23						
	AK23						

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL23						Yes No
	AM23						Yes No
	AN23						Yes No
	AO23						Yes No
	AP23						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

MM ↓	AR	<u>23</u>	Hui, E.K.-W., <i>et al.</i> , "Hepatitis B viral core proteins with an N-terminal extension can assemble into core-like particles but cannot be enveloped," <i>J. Gen. Virol.</i> 80:2647-2659, Society for General Microbiology (October 1999).
	AS	<u>23</u>	Lo, K.K.-W., <i>et al.</i> , "Surface-modified mutants of cytochrome P450 <sub>cam</sub> : enzymatic properties and electrochemistry," <i>FEBS Lett.</i> 451:342-346, Elsevier Science B.V. (May 1999).
	AT	<u>23</u>	Rudolf, M.P., <i>et al.</i> , "Molecular Basis for Nonanaphylactogenicity of a Monoclonal Anti-IgE Antibody," <i>J. Immunol.</i> 165:813-819, American Association of Immunologists (July 2000).

EXAMINER

/Mary Mosher/

DATE CONSIDERED

08/14/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1700.0030003/JAG/BJD/SJEAPPLICATION NO.  
10/733,582

FIRST NAMED INVENTOR

Renner *et al.*FILING DATE  
December 12, 2003ART UNIT  
1614

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA24					
	AB24					
	AC24					
	AD24					
	AE24					
	AF24					
	AG24					
	AH24					
	AI24					
	AJ24					
	AK24					

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL24					Yes No
	AM24					Yes No
	AN24					Yes No
	AO24					Yes No
	AP24					Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MM ↓	AR	<u>24</u>	Willis, A.E., <i>et al.</i> , "Immunological properties of foreign peptides in multiple display on a filamentous bacteriophage," <i>Gene</i> 128:79-83, Elsevier Science Publishers B.V. (1993).
	AS	<u>24</u>	Zhou, S., and Standring, D.N., "Cys Residues of the Hepatitis B Virus Capsid Protein Are Not Essential for the Assembly of Viral Core Particles but Can Influence Their Stability," <i>J. Virol.</i> 66:5393-5398, American Society for Microbiology (1992).
	AT	<u>24</u>	International Preliminary Examination Report for International Application No. PCT/IB99/01925, search completed on August 18, 2000, European Patent Office, Munich

EXAMINER

/Mary Mosher/

DATE CONSIDERED 08/14/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
1700.0030003/JAG/BJD/SJEAPPLICATION NO.  
10/733,582FIRST NAMED INVENTOR  
Renner *et al.*FILING DATE  
December 12, 2003ART UNIT  
1614**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA25						
	AB25						
	AC25						
	AD25						
	AE25						
	AF25						
	AG25						
	AH25						
	AI25						
	AJ25						
	AK25						

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL25						Yes No
	AM25						Yes No
	AN25						Yes No
	AO25						Yes No
	AP25						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

MM ↓	AR	<u>25</u>	International Search Report for International Application No. PCT/IB99/01925, mailed on June 29, 2000, European Patent Office, The Hague, Netherlands
	AS	<u>25</u>	
	AT	<u>25</u>	

EXAMINER /Mary Mosher/

DATE CONSIDERED 08/14/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.